

I claim:

1. A cradle apparatus having a built-in scanning module and used for mounting a portable electronic device therein, the cradle apparatus comprising:
a housing having a connector and connected to said portable electronic device via said connector, said housing having also a transparent scanning region;
a scanning module provided in said transparent scanning region and used for scanning a document to generate an image data; and
a displacement detection module provided at said housing and composed of a first optical detector and a second optical detector;
whereby said portable electronic device sends a scan control command to said scanning module via said connector, said displacement detection module detecting position and angle variations of said housing, and a scanning result is then stored in said portable electronic device.
2. The cradle apparatus with a built-in scanning module as claimed in claim 1, wherein an accommodating slot is provided in said housing for mounting said portable electronic device, and said accommodating slot includes said connector therein.
3. The cradle apparatus with a built-in scanning module as claimed in claim 1, wherein said housing has a charging module.
4. The cradle apparatus with a built-in scanning module as claimed in claim 3, wherein said charging module is composed of a charger and a rechargeable battery.
5. The cradle apparatus with a built-in scanning module as claimed in claim 1,

wherein said transparent scanning region is arranged on a bottom of said housing.

6. The cradle apparatus with a built-in scanning module as claimed in claim 5,
wherein said displacement detection module and said transparent scanning
5 region are installed on the same side of said housing.

7. The cradle apparatus with a built-in scanning module as claimed in claim 1,
further comprising a base, said base being connected with said housing, said
base including an input paper tray, a roller and a motor.

8. The cradle apparatus with a built-in scanning module as claimed in claim 7,
10 wherein said housing has a fastening groove, said base has a fastening
component, and said fastening component is fastened with said fastening
groove to connect said housing and said base together.

9. The cradle apparatus with a built-in scanning module as claimed in claim 7,
wherein said housing has a first connector, said base has a second connector,
15 and said first connector is connected with said second connector, whereby
said base receives control signals from said scanning module via said second
connector and also transmits electric power.

10. The cradle apparatus with a built-in scanning module as claimed in claim 7,
wherein said base has a paper-in sensor to detect a paper-feed status of said
20 input paper tray.

11. The cradle apparatus with a built-in scanning module as claimed in claim 1,
wherein said portable electronic device is a personal digital assistant.